POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT

6

SITE NUMBER (to be seeign ed by Hq)

11185

GENERAL INSTRUCTIONS: Complete Sections I and III through XV of this form as completely as possible. Then use the information on this form to develop a Tentative Disposition (Section II). File this form in its entirety in the regional Hazardous Waste Log File. Be sure to include all appropriate Supplemental Reports in the file. Submit a copy of the forms to: U.S. Environmental Protection Agency; Site Tracking System; Hazardous Waste Enforcement Tack Force (EN-335); 401 M St., SW; Washington, DC 20460.

		T SITE IDE	ENTIFICATION	TXI	MAKES	37385
A. SITE NAME		1. 3116 106		or other identifier)	1000	33/303
Houston Lighting and	Power- H.	O Clark	12100	Hiram Clark	Road	1
C. CITY	- Generati	ng Station	D. STATE	E. ZIP CODE	TF. COUNTY NA	WE
Houston	i		TX	77045	Harris	
G. SITE OPERATOR INFORMATION	N			**************************************	· L	
1. NAME	_				2. TELEPHON	1
R. O. Groover - Supe	ervisor - E		tion Dept.		1	22-2195
a. STREET		4. CITY			S. STATE	6. ZIP CODE
P.O. Box 1700	1	Houst			TX	77001
H. REALTY OWNER INFORMATIO	N (II dillerent from	n operator öf site)	_		• • • • • • • • • • • • • • • • • • • •	
1. NAME	i i				2. TELEPHON	E NUMBER
SAME	· 				┥╷ <u>╼</u> ╷"╾	TS. ZIP CODE
3. CITY	1				4. STATE	S. ZIP CODE
I. SITE DESCRIPTION						
Electrical Genera	sting Plant			Y Dar	IN 51	0 1/-11
J. TYPE OF OWNERSHIP	realing France			1 NEF	110 01	7 101.
1. FEDERAL 2. S	TÄTE S	COUNTY I	X 4. MUNICIPAL	. T 5. PRIVA	TF	[
	· ^	122	M 4. MUNICIPAL	•	.,_	1
	II TENTA	TIVE DISPOSIT	ON (complete t	his section last)		
A. ESTIMATE DATE OF TENTAT		RENT SERIOUSNE				
DISPOSITION (mo., day, & yr.)	· · · · ·	нісн Г	2. MEDIUM	 ∑∑ 3. LOW	[] 4. NON	SUPERFUND
				622 01 -0		FILE
C. PREPARER INFORMATION	<u> </u>					
1. NAME	1			NE NUMBER	S. DATE (mor,	447.4 7SEP 1 1 199
Wayne Crawley) }		(409) 6	93-8716	5-25-84	2EL 1 1 132
		TIT INSPECTI	200 400 20 20 40 40 20		,	
		III. INSPECTI	ON INFORMAT	ION		
A. PRINCIPAL INSPECTOR INFO	RMATION	III. INSPECTI	ON INFORMAT	ION		REORGANIZE
A. PRINCIPAL INSPECTOR INFO	RMATION	III. INSPECTI	2. TITLE	ION		REORGANIZE
	RMATION !	III. INSPECTIO	2. TITLE	Scientist		
1. NAME	RMATION	III. INSPECTIO	2. TITLE		4. TELEPHON	REORGANIZE
1. NAME Wayne Crawley		III. INSPECTIO	2. TITLE		ı	
1. NAME Wayne Crawley 3. ORGANIZATION		III. INSPECTIO	2. TITLE		ı	IE NO. (area code & no.)
Wayne Crawley 3. organization K. W. Brown & Associ			2. TITLE		(409) 6	IE NO. (area code & no.)
1. NAME Wayne Crawley 3. ORGANIZATION K. W. Brown & Association B. INSPECTION PARTICIPANTS 1. NAME	ates, Inc.	2. ORG	2. TITLE Staff Staff	Scientist _	(409) 6	93-8716
1. NAME Wayne Crawley 3. ORGANIZATION K. W. Brown & Association B. INSPECTION PARTICIPANTS	ates, Inc.		2. TITLE Staff Staff	Scientist _	(409) 6	93-8716
1. NAME Wayne Crawley 3. ORGANIZATION K. W. Brown & Association B. INSPECTION PARTICIPANTS 1. NAME	ates, Inc.	2. ORG	2. TITLE Staff Staff	Scientist _	(409) 6	93-8716
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Wayne Crawley 3. ORGANIZATION K. W. Brown & Association B. INSPECTION PARTICIPANTS 1 NAME Sid Johnson	K. W. Bro	2. ORG	Staff_Staff_Sanization	Scientist _	(409) 6	93-8716
1. NAME Wayne Crawley 3. ORGANIZATION K. W. Brown & Association B. INSPECTION PARTICIPANTS 1. NAME	K. W. Bro	2. ORG	Staff_Staff_Sanization	Scientist _	(409) 6	93-8716
Wayne Crawley 3. ORGANIZATION K. W. Brown & Association B. INSPECTION PARTICIPANTS 1 NAME Sid Johnson	K. W. Bro	2. ORG OWN and Ass rate officials, work a TELEPHONE N	2. TITLE Staff SANIZATION SOCIATES,	Scientist _	(409) 6	93-8716
1. NAME Wayne Crawley 3. ORGANIZATION K. W. Brown & Associ B. INSPECTION PARTICIPANTS 1. NAME Sid Johnson C. SITE REPRESENTATIVES INT	K. W. Broke Cooperation of the Supervise Supervise Contract Contra	2. ORG OWN and Ass orate officials, wor a TELEPHONE N SOT - Environ	Staff Staff SANIZATION SOCiates,	Scientist	(409) 6 3. TEL (409) 6	93-8716 EPHONE NO. 93-8716
1. NAME Wayne Crawley 3. ORGANIZATION K. W. Brown & Association B. INSPECTION PARTICIPANTS 1 NAME Sid Johnson C. SITE REPRESENTATIVES INT	K. W. Broke Cooperation of the Supervise Supervise Contract Contra	2. ORG OWN and Ass rate officials, work a TELEPHONE N	Staff Staff SANIZATION SOCiates,	Scientist _	(409) 6 3. TEL (409) 6	93-8716 EPHONE NO. 93-8716
1. NAME Wayne Crawley 3. ORGANIZATION K. W. Brown & Association B. INSPECTION PARTICIPANTS 1. NAME Sid Johnson C. SITE REPRESENTATIVES INT 1. NAME R.O. Groover	ERVIEWED (corpo	own and Associate work telephone was sor- Environment on Dept.	Staff Staff Staff Sociates, Rere, residents) To Dr. P.	Scientist Inc. 3	(409) 6 3. TEL (409) 6	93-8716 EPHONE NO. 93-8716
1. NAME Wayne Crawley 3. ORGANIZATION K. W. Brown & Associ B. INSPECTION PARTICIPANTS 1. NAME Sid Johnson C. SITE REPRESENTATIVES INT	ERVIEWED (corporate Supervise Protect Sr. Env.	2. ORG OWN and Ass rate officials, wor a TELEPHONE N SOT- Environ ion Dept. ir. Special	Staff	Scientist	(409) 6 3. TEL (409) 6	93-8716 EPHONE NO. 93-8716
Wayne Crawley 3. ORGANIZATION K. W. Brown & Associate the Associate th	ERVIEWED (corporate to the corporate to	2. ORG own and Ass rete officials, wor a TELEPHONE N SOR- Enviro ion Dept. ir. Special al Supervis	Staff Staff Staff SANIZATION SOCIATES, rkers, residence) so. Dn. P. list P.	Scientist Inc. 3 0. Box 1700 0. Box 1700	(409) 6 3. TEL (409) 6 . ADDRESS Houston	93-8716 EPHONE NO. 93-8716 , TX 77001
1. NAME Wayne Crawley 3. ORGANIZATION K. W. Brown & Association B. INSPECTION PARTICIPANTS 1. NAME Sid Johnson C. SITE REPRESENTATIVES INT 1. NAME R.O. Groover	ERVIEWED (corporate to the corporate to	2. ORG OWN and Ass rate officials, wor a TELEPHONE N SOT- Environ ion Dept. ir. Special	Staff Staff Staff SANIZATION SOCIATES, rkers, residence) so. Dn. P. list P.	Scientist Inc. 3	(409) 6 3. TEL (409) 6	93-8716 EPHONE NO. 93-8716 , TX 77001
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[m.	INSPE	CTION INFORMATION (CO	ontinued)		
D. GENE	RATOR INFORMATION	N (sourc	ee of waste)					
	1. NAME	2. 75	LEPHONE	10.	3. ADDF	CSS	4. WASTE T	YPE GENERATED
н. о.	Clark	(713	3) 922-2	195	12100 Hiram Cla	rk Road	Wastewa	ter
E. TRAN	SPORTER/HAULER IN	FORM	ATION				_ 	
	1. NAME	2. TE	LEPHONE N	ο.	3. ADDF	RESS	4.WASTE TY	PETRANSPORTED
Chem.	Waste Mgmt	иои	Œ		Hwy 73 Port Art	hur, TX		waste re-
							fractory	y brick
		-				· · · · · · · · · · · · · · · · ·		
F. IF WAS	STE IS PROCESSED O	N SITE	AND ALSO S	HIPPE	D TO OTHER SITES, IDENT	IFY OFF-SITE FACILITI	ES USED FOR	DISPOSAL.
	1. NAME	2. TE	LEPHONE N	0.		3. ADDRESS		
			<u></u>					
			,					
G. DATE	OF INSPECTION	H. TIM		CTION	I. ACCESS GAINED BY (cre		n all cases)	· · · · · · · · · · · · · · · · · · ·
	(ay. & yr.) 5-25-84	<u> </u>	9:30am		X 1. PERMISSION	2. WARRANT		
J. WEAT	TER (describe) Clear, sunny,		thaast 1					
	Clear, sunny	, sou	tneast		ze . Sampling informatio	M		
A. Mark	'X' for the types of s	amole	s taken and		ite where they have been so		ther EPA lab	. contractor.
	nd estimate when the		ts will be a					
	1.SAMPLE TYPE		2. SAMPLE TAKEN (mark 'X')		3. SAMPLI	E SENT TO		4.DATE RESULTS AVAILABLE
a. GROU	NDWA TER		•		· · · · · · · · · · · · · · · · · · ·			
b. surf	ACE WATER							
C. WAST	K							
d. AIR					<u>,,, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,,</u>	····		
e. RUNO	PF							
& SPILL				_	<u> </u>			
g. SOIL								
h. VEGE	TATION							
I. OTHE	R(spedity)							
					NO SAMPLES TA	AKEN	 	
B. FIELD	MEASUREMENTS TAI	KEN (e			OF MEASUREMENTS	3.	RESULTS	
	I. TYPE		2.000	11.014	OF MEASUREMENTS	3.		
			· - · · · · · · · · · · · · · · · · · ·					
						 		
	. <u></u>							
						1		

Communeu From Fage 2										
		IV. SAM	PLING INFOR	MA	TION (continued)					
C. PHOTOS										
1. TYPE OF PHOTOS	į		2. PHOTOS IN	1 C	USTODY OF					
	AERIA	_ 35mm	Wayne	C	rawley					
D. SITE MAPPED?										
X YES. SPECIFY LOCA	TION OF	MAPS SEE	attached s	sk	etch and map					
E. COORDINATES		·			 	_				
1. LATITUDE (degminsec.)										
N 29° 38' 4	18"	t I			w 95° 27' 0"					
		 	V. SITE INFO	R	MATION					
A. SITE STATUS										
municipal sites which are be for waste treatment, storage, on a continuing basis, even in quently.)	ing used or dispo	sal wastes.)		ı	3. OTHER(specify) (Those sites that include such inc where no regular or continuing use has occurred.)					
B. IS GENERATOR ON SITE?				_						
☐ 1. NO 🔀 2. Y	ES(speci	ly generator's four-	digit SIC Code)	4	911					
C. AREA OF SITE (in acres)		D. ARE THER	E BUILDINGS O	N	THE CITE?					
•		[] 1. NO	-		office - electr	ic	generating facility			
177.5 acres			(A) 40 . C5(5)	,	on, Office electri	LC	generating ractife			
		VI. CHARA	CTERIZATIO	N	OF SITE ACTIVITY					
Indicate the major site acti	vity(ies				rity by marking 'X' in the appro	prı	ate boxes.			
A. TRANSPORTER	X	B. STO	RER	x.	C. TREATER	×	D. DISPOSER			
1.RAIL		1.PILE			1. FIL TRATION	┢	1. LANDFILL			
2. SHIP		2. SURFACE IMPO	UNDMENT		2. INCINERATION	H	2. LANDFARM			
3. BARGE		3. DRUMS		_	3. VOLUME REDUCTION	Г	3. OPEN DUMP			
X 4. TRUCK		4. TANK, ABOVE	GROUND		4.RECYCLING/RECOVERY	T	4. SURFACE IMPOUNDMENT			
5. PIPELINE		S. TANK, BELOW	GROUND	X	S. CHEM./PHYS./TREATMENT	T	5. MIDNIGHT DUMPING			
X 6. OTHER (specify):		6. OTHER (specify	·):		6. BIOLOGICAL TREATMENT	Π	6. INCINERATION			
drainage ditch	to [- !	Ī		7. WASTE OIL REPROCESSING	Γ	7 UNDERGROUND INJECTION			
Simms Bayou -NPI	DES	İ			8. SOLVENT RECOVERY		8 OTHER(specify)			
	ļ				9. OTHER(apecify)	Γ				
	- 1	!								
	- {		ļ							
	- [1								
				_		<u> </u>				
which Supplemental Reports					s listed below, Supplemental Repor	rts	must be completed. [natcate			
1. STORAGE	2. I	NCINERATION [3. LANDFIL	Ŀ	X 4. SURFACE	5.	DEEP WELL			
6. PHYS TREATMENT	7. 1	ANDFARM [8. OPEN DU	MF	9. TRANSPORTER] 10	. RECYCLOR/RECLAIMER			
- W4475 TVC		VII. W	ASTE RELAT	ED	INFORMATION					
A. WASTE TYPE	TTD									
X 1. LIQUID	X 2. 9	נסובום נ] 3. SLUDGE		4. GAS					
B. WASTE CHARACTERISTIC	<u>s</u>	· 								
i		ichieranie (7		WE THA HIGHLY VOLATILE		•			
I. CORROSIVE	=	GNITABLE [3. RADIOAC	!	=					
S. TOXIC	6. ∣	REACTIVE [7. INERT		8. FLAMMABLE					
9. OTHER(specify):										
C. WASTE CATEGORIES	Unblos S			_	todas etc helow					
1. Are records of wester sval	_	hecnàiteme ancu s	a maminate, inv	on	wite, tie. Deww.					
Yes, on s	TCE	1								

C	ontinued From From	<u> </u>														
_				ASTE							<u>_</u>					
	Estimate the amou	nt (apecify unit of	measu		vaste LVEN1		gory	d. CHE			at	e which waste	es are p	ore	sent.	
ĀN	OUNT	AMOUNT		MOUNT			AM	OUNT			Ā	MOUNT		A	MOUNT	<u> </u>
	NONE	NONE			ONE			NON	_			66			NONE	
UN	IIT OF MEASURE	UNIT OF MEASURE	١	NIT OF	MEAS	URÉ	UNI	TÖFN	4E A S U	RE		ubic yar			NIT OF ME	ASURE
×	(1) PAINT, PIGMENTS	(1) WASTES	. х	J.,, HA1	LOGEN VENT	S	. x ·	1) ACI	5		×	(1) FLYASH		· x	_ ,,, L A B Q R	ATORY ACEUT.
	(2) METALS SLUDGES	12) OTHER(epeci	(7):		N-HAL	OGNTO S		2) PICH	LING		Х	(2) ASBESTOS	·		(2) HOSPI1	TAL
	(3) POTW		-	(3) O T	HER(aj	pecify)		3) CAU	STICS			(3) MILLING/ TAILINGS	MINE		(3) RADIQ	ACTIVE
	(4) ALUMINUM SLUDGE							4) PES	TICIDE	s	_	(4) FERROUS	ES		(4) MUNIC	IPAL
	(8) OTHER <i>(epocity):</i>							5) DYE	S/INKS			ISI NON-FERI	ROUS ASTES	-	(\$) OTHE	R (specify
								(6) C Y A	NIDE](6) OTHER(25	ecify)			
								(7) PHE	NOLS							
								(6) HAL	OGEN	s 						
								(9) PC E								
							H	(10) ME								
							H	(11) OT	H E R(8)	ecity).						
D.	LIST SUBSTANCES	OF GREATEST CON	ERN	WHICH .	ARE O	N THE	SITE	(place	in des	cending	0	rder of hazard)		<u> </u>		
				. FORM			TOX	ICITY								
	1.SUBSTA	NCE 	a. 50-		C. VA	a. 1	b. MED	T c.	d.		A S	NUMBER	5. A	A MC	TAUC	6. UNIT
NO	ONE															
			_	<u> </u>										_	·	
				<u> </u>												ļ
		·												_		
				<u> </u>												
<u></u>	ELD EVALUATION	HAZARO DESCE	IPTIO			ZARD				te that	+1	he listed haz	ard exis	st s	. Describe	e the
	zard in the space p										-					•

Continue On Page 5

Continued From Page 4 VIII. HAZARD DESCRIPTION (continued) B. NON-WORKER INJURY/EXPOSURE C. WORKER INJURY/EXPOSURE D. CONTAMINATION OF WATER SUPPLY E. CONTAMINATION OF FOOD CHAIN F. CONTAMINATION OF GROUND WATER On-site wells show statistical differences in pH and conductivity. A consultant's report on the situation is being prepared for TDWR, and the Department is closely monitoring the situation. G. CONTAMINATION OF SURFACE WATER

VIII. HAZ	ARD DESCRIPTION (continued)
H. DAMAGE TO FLORA/FAUNA	
ĺ	
Į	
Į	
I. FISH KILL	······································
J. CONTAMINATION OF AIR	
K. NOTICEABLE ODORS	
L. CONTAMINATION OF SOIL	
M. PROPERTY DAMAGE	

PAGE 6 OF 10

Continue On Page 7

EPA Form T2070-3 (10-79)

<u> </u>	VIII. HAZARD DESCRIPTION (continued)
N. FIRE OR EXPLOSION	
, i	i
	•
'	
,	
O. SPILLS/LEAKING CONTAIN	ERS/RUNOFF/STANDING LIQUID
.	
,	,
P. SEWER, STORM DRAIN PRO	BLEMS
	:
Q. EROSION PROBLEMS	
	1
	!
R. INADEQUATE SECURITY	
`	
S. INCOMPATIBLE WASTES	

Continued From Page 6

		VIII. HAZARD DES	CRIPTION (continued)				
T. MIDNIGHT DUMPING							
Ī							
U. OTHER (*pecify):							
	IX.	POPULATION DIREC	TLY AFFECTED BY S	ITE			
		. = = = =	C. APPROX. NO. OF PE	PLE	D. APPROX. NO	E. DISTANCE	
A. LOCATION OF POPULATION		APPROX. NO. OPLE AFFECTED	AFFECTED WITHIN		OF BUILDINGS AFFECTED	TO SITE (apecify unita)	
I.IN RESIDENTIAL AREAS	20	000	2000		650	< 0.5 mile	
IN COMMERCIAL 2. OR INDUSTRIAL AREAS	1	.00	100		10	< 0.5 mile	
	ļ				10	/ 0.2 WITE	
IN PUBLICLY S. TRAVELLED AREAS	29,0	000	29,000		o	< 0.25 mile	
4. (perks, schools, etc.)	15	00	1500		4	< 1 mile	
A. DEPTHITO GROUNDWATER(speci	(- (-)(4)	X. WATER AN	D HYDROLOGICAL DA	TA	ROUNDWATER USE IN	VICINITY II O	
5 feet (est.)	., =,	south east			&L wells - coo	/	
D. POTENTIAL YIELD OF AQUIFER	ENTIAL YIELD OF AQUIFER E. DISTANCE TO			F. D	IRECTION TO DRINKIN	G WATER SUPPLY	
unknown .		(epecity unit of mea	unknown	No	ortheast		
G. TYPE OF DRINKING WATER SUPPLY 1. NON-COMMUNITY XX 2. COMMUNITY (specify town): HOUSTON							
1. NON-COMMUNITY XX	2. COMMU > 15 CO	INITY (<i>epocity town</i>): 					
X 3. SURFACE WATER	4. WELL						

Continued From	Page 8										
				X. WATER AND HYDROL	OGICAL DATA	(continued)				
H. LIST ALL DRIN	KING WA	TER	WELL	S WITHIN A 1/4 MILE RADIUS O	FSITE						
1. WÆLL	2. DE (specify	EPTH y unit,	,	(proximity	I. LOCATION To population/bu	ildinge)		NON-COM- MUNITY (mark 'X')	COMMUN- ITY (mark 'X')		
NONE											
	,					-,	 				
					- <u> </u>						
I. RECEIVING WAT	TER										
1. NAME			İ	2. SEWERS	🔲 3. STREA	AMS/RIVERS					
Simms Bayou	a			4. LAKES/RESERVOIRS	(조) 5. OTHE	R (apecify):	drainag	e ditch			
6. SPECIFY USE	AND CLA	SSIFI	CATIO	ON OF RECEIVING WATERS		· '— '`—					
Unclassif	fied		 	•	-		•				
LOCATION OF SIT	TE IS IN:			XI. SOIL AND VE	GITATION DA	ATA					
A. KNOWN F		NE	;	B. KARST ZONE	c. 100	YEAR FLOO	DD PLAIN	D. WETLAND	•		
E. A REGUL	ATED FL	.000	NAY !	F. CRITICAL HABITAT	☐ G. RE	CHARGE ZO	NE OR SOLE SOUP	CE AQUIFER			
				XII. TYPE OF GEOLOGICA	AL MATERIAL	OBSERVE	o				
Mark 'X' to indic	ate the t	ype(s) of g	eological material observed a	nd specify whe	ere necessar	y, the component	parts.			
A. CVERBUR	DEN	'X	: 	B. BEDROCK (specify below	")	X'	C. OTHER (ap	ocify below)			
1. SAND	· · · · · · · · · · · · · · · · · · ·								··		
X 2. CLAY											
3. GRAVEL											
				XIII. SOIL PE	RMEABILITY						
A. UNKNOWN D. MODERAT	E (10 to .	1 cm/	sec.)	B. VERY HIGH (100,000 X E. LOW (.1 to .001 cm/se			C. HIGH (1000 to 10 cm/sec.) F. VERY LOW (.001 to .00001 cm/sec.)				
G. RECHARGE AR	EA X 2. NO		3. CO	MMENTS.							
H. DISCHARGE AR	EA X 2. NO		3. CO	MMENTS:							
I. SLOPE					CONDITION CO	41 ABF 574		·			
1. ESTIMATE % 0 θ - 0.5				ecify direction of slope, in the ast	CONDITION OF	360FE, ETC	••				
J. OTHER GEOLO		TA.							······		
				<u> </u>							

Cont	hauad	Fmm	Front

XIV. PERMIT INFORMATION										
List all applicable permits he	eld by the site a	d provide the related i	D. DATE	E. EXPIRATION DATE (mo.,day,&yr.)	F. IN COMPLIANCE (mark 'X')					
A. PERMIT TYPE (**&,RCRA,State,NPDES,etc.)	B. ISSUING AGENCY	C. PERMIT NUMBER	ISSUED (mo.,dey,&yr.)		1 Y E S	NO 5	3 UN-			
NPDES	EPA	TX0006441	•				х			
Discharge	TOWR	01027	2/1/82				х			
Solid Waste Regist	. TDWR	31635					х			
						<u> </u>	<u> </u>			

		<u> </u>		[
	XV. PAST REGULATORY OR ENFORCEMENT ACTIONS									
- NONE										
	HL & P is	presently pr	eparing groun	dwater asses	sment report	for TDWR.				
	•									
						····				
NOTE: E	NOTE: Based on the information in Sections III through XV, fill out the Tentative Disposition (Section II) information									

on the first page of this form.

RCRA 3012 Site Inspection Comments Houston Light and Power H. O. Clarke Generating Station Houston, Texas HAZSIT #11185

Documentation of Site Activities

Prior to the inspection on May 25, 1984, an attempt was made to contact Myra Lee, who filed a complaint with an environmental action group concerning this facility in 1981. The environmental action group is no longer in operation and Myra Lee no longer lives at the address given in the Houston phone book. The person answering the phone also did not know how to contact her. We arrived at the site at 9:15 a.m. and met with Rick Bye, Don Groover, and Ray Neff.

Houston Light and Power (HP&L) maintains two collection impoundments, one for demineralizer regenerant and one for a a metal cleaning inorganic acid. The main treatment in these impoundments is pH adjustment and precipitation.

A third impoundment is to the south of these two impoundments. It is permitted as a hazardous waste impoundment, however, it has never been used as one. It was permitted to hold hydrogen chloride waste from a specific cleaning operation. This cleaning process has never been performed. Currently, this impoundment is used to hold tower blowdown.

Closure plans for all three impoundments were submitted to the Texas Department of Water Resources (TDWR) on April 15, 1984. HP&L has not received the comments from the state on these plans.

A fourth impoundment is located on the southeast side of the property. This impoundment is a final holding pond prior to discharge through a weir into a drainage ditch. The ditch drains to Simms Bayou. All four impoundments were in good condition and appeared to have no problems. No

contamination was observed in on-site ditches as had been previously reported in the abovementioned complaint.

HP&L has a contract with Underground Resource Management (URM) to investigate their groundwater situation. This report is due to TDWR on May 29, 1984 to Paul Lewis. Several wells are located around the impoundments. The two parameters that showed a significant difference in the initial groundwater investigation were pH and electrical conductivity. No current data form the URM investigation was available the day of the site visit.

HP&L maintains three wells on-site to supply water to cooling towers.

All water is used for industrial procedures. The well depth is approximately 1200 feet.

Wastes that are generated on-site and hauled off-site include refractory brick and solvent waste. Chemical Waste Management hauls this material to its Port Arthur facility.

Ray Neff stated that another possible source for the oil film in the ditch that was mentioned in the original complaint was the K Mart parking lot. When it rains, runoff from the parking lot is into H. O. Clarke drainage ditches. It has been noted by Mr. Neff that an oily film is present after rainstorms.

The H. O. Clarke generating facility is currently operating at a very low level (approximately four percent). Rick Bye stated that this facility will be decommissioned within the next five years. At that time this location will serve as a switching station for HL&P.

Assessment and Conclusions

The H. O. Clarke facility is for all practical purposes closed, with the current output of four percent of capacity. Therefore, wastewater generated at the site is minimal, with wastewater blowdown as the primary

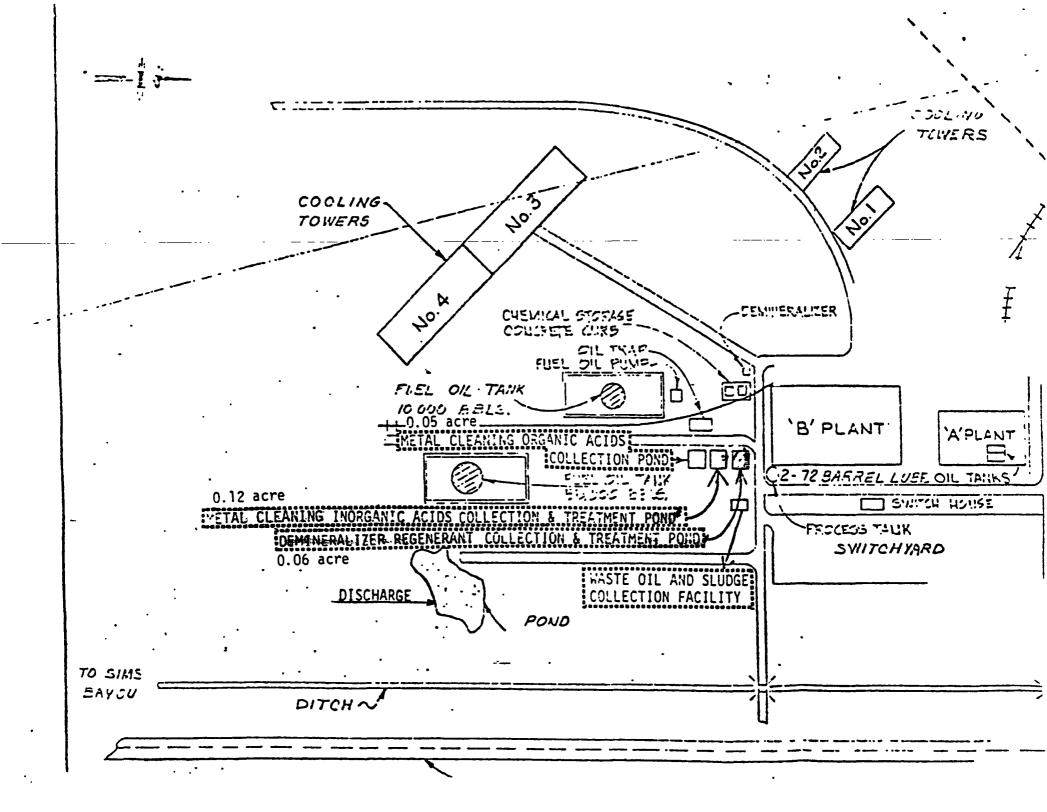
waste source. The site has been assessed a low degree of hazard due to the statistically significant differences in pH and conductivity in on-site wells. However, this situation is being closely monitored by TDWR. As to the complaint filed in 1981, it is felt that no reasonable conclusion can be reached which would define the source as having been HL&P. We recommend no further action be taken at this site.

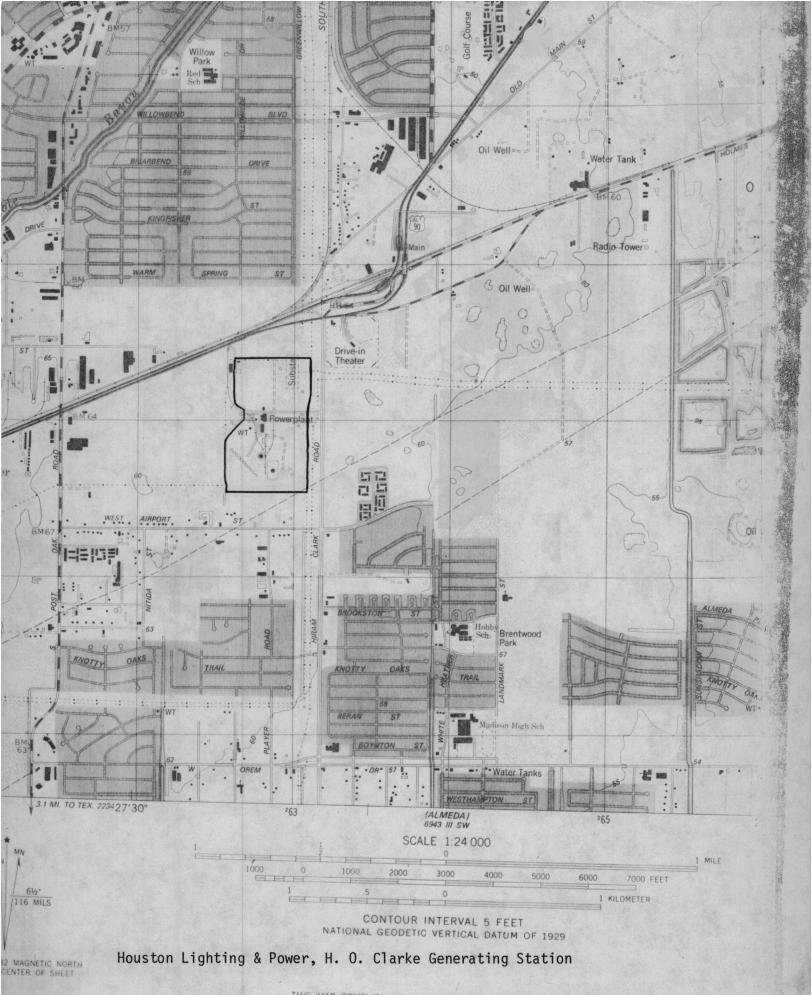
			
SURFACE IM	TION REPORT	INSTRUCTION Answer and Explain as Necessary.	
T. TYPE OF IMPOUNDMENT			
	emineralizer impoundmen	nt)	
Z. STABILITY/CONDITION OF EMBAR	NKMENTS		
Good	and the Coultry Class Wales are		
1. EVIDENCE OF SITE INSTABILITY TYES MO	(Erosion, Settling, Sink Holes, etc.)		
4. EVIDENCE OF DISPOSAL OF IGNI	TABLE OR REACTIVE WASTE		
LJ AER 🔯 HO			
S. ONLY COMPATIBLE WASTES ARE [X] YES [] NO	STORED OR DISPOSED OF IN THE	IMPOUNDMENT	
6. RECORDS CHECKED FOR CONTE	TS AND LOCATION OF EACH SUR	FACE IMPOUNDMENT	
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7. IMPOUNOMENT HAS LINER SYSTE	М	7- INTEGRITY OF LINER SYSTEM	CHECKED ally
7b. FINDINGS		ÄYES ☐ NO Visu	
Hypolon Liner-good co	ondition		
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Clay 9. MONITORING WELLS			
TA LES LINO	i 		
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11. CALCULATED VOLUMETRIC CAP	ACITY		
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70-80%			
13. ESTIMATE FREEBOARD			
4 feet	! !		
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IS DREDGING DISPOSAL METHOD	<u> </u>	<u></u>	
16. OTHER EQUIPMENT			
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SURFACE IMPOUNDMENTS SITE INSPEC (Supplemental Report)	INSTRUCTION Answer and Explain as Necessary.	
TTYPE OF IMPOUNDMENT		<u></u>
Storage/Treatment (metal cleaning inorgan	nic acid)	
2. STABILITY/CONDITION OF EMBANKMENTS		
Good		
3. EVIDENCE OF SITE INSTABILITY (Erosion, Sottling, Sink Holes, etc. VES NO	, 	
4. EVIDENCE OF DISPOSAL OF IGNITABLE OR REACTIVE WASTE		
Li AES TA HO		
S. ONLY COMPATIBLE WASTES ARE STORED OR DISPOSED OF IN TH	E IMPOUNDMENT	
(V) YES [] NO		
6. RECORDS CHECKED FOR CONTENTS AND LOCATION OF EACH SU 7. IMPOUNDMENT HAS LINER SYSTEM		
7. IMPOUNDMENT HAS LINER SYSTEM [2] YES NO	7. INTEGRITY OF LINER SYSTEM X YES NO VIS	CHECKED Sually
76. FINDINGS Hypolon liner-good shape	W 186 C	,ua-1,
8. SOIL STRUCTURE AND SUBSTRUCTURE		
clay		
9. MONTTORING WELLS	**************************************	
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LENGTH, WIDTH, AND DEPTH LENGTH 75 WIDTH 100 DEPTH	6	
11. CALCULATED VOLUMETRIC CAPACITY		
45,000 cubic feet		
12 PERCENT OF CAPACITY REMAINING		
70-80%		
13. ESTIMATE FREEBOARD	· 	
4 feet 14. SOCIOS DEPOSITION		
[] YES XX NO		
IST DREDGING DISPOSAL METHOD		
16. OTHER EQUIPMENT		
16. OTHER EQUIPMENT		
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	MPOUNDMENTS SITE INSPECT (Supplemental Report)	TION REPORT	INSTRUCTION Answer and Explain as Necessary.
1. TYPE OF IMPOUNDMENT			·
Storage (permit	ted hazardous impoundme	ent)	
Z. STABILITY/CONDITION OF EMBA	NKMENTS		
Good	 		
3. EVIDENCE OF SITE INSTABILITY	(Erosion, Settling, Sink Holes, etc.)		
T YES X NO	1		
4. EVIDENCE OF DISPOSAL OF IGH	ITABLE OR REACTIVE WASTE		
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	E STORED OR DISPOSED OF IN THE	IMPOUNDMENT	
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7. IMPOUNDMENT HAS LINER SYST	EM	74 INTEGRITY OF LINER SYSTEM	CHECKED
TA YES NO	·	TES X NO	
hypolon liner-			
6. SOIL STRUCTURE AND SUBSTRU	CTURE		
clay	• •		
S. MONITORING WELLS			
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10. LENGTH, WIDTH, AND DEPTH			
LENGTH 90 WIDT	30	8	
11. CALCULATED VOLUMETRIC CA 64,800 cubic feet	i		
12. PERCENT OF CAPACITY REMAIL 10-15%	NING		
13. ESTIMATE FREEBOARD			,
3 feet		_	
14. SOLIDS DEPOSITION			
ON XX ESY[]			
IS. DREDGING DISPOSAL METHOD	1		
16. OTHER EQUIPMENT	 		
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SURFACE IN	Supplemental Report)	ORT	INSTRUCTION Answer and Explain as Necessary.
1. TYPE OF IMPOUNDMENT			
Final holding pond			
Z. STABILITY/CONDITION OF EMBA	NKMENTS		
Good	-		
3. EVIDENCE OF SITE INSTABILITY	(Erosion, Settling, Sink Holes, etc.)		
TYES EXHO	l		
4. EVIDENCE OF DISPOSAL OF IGN	TABLE OR REACTIVE WASTE		
THE EX NO			
	STORED OR DISPOSED OF IN THE IMPOUNDM	ENT	
₩ YES C] NO	:		
	NTS AND LOCATION OF EACH SURFACE IMPO	UNOMENT	
T YES KX NO			
7. IMPOUNDMENT HAS LINER SYST	Ta. INTEG	RITY OF LINER SYSTEM	CHECKED
C) YES XX NO	- VE	3 XX NO	
7b. FINDINGS			
8. SOIL STRUCTURE AND SUBSTRU	TURE		
Clay	•		
S. MONTTORING WELLS			
CH IZ ESY	•		
10. CENGTH, WIDTH, AND DEPTH			
LENGTH WIDT	M DEPTH		
11- CALCULATED VOLUMETRIC CA	PACITY		
12. PERCENT OF CAPACITY REMAI	IING		
10%			
13. ESTIMATE FREEBOARD			
2 feet			
14. SOLIDS DEPOSITION			
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13. DREDGING DISPOSAL METHOD			
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16. OTHER EQUIPMENT	• •		
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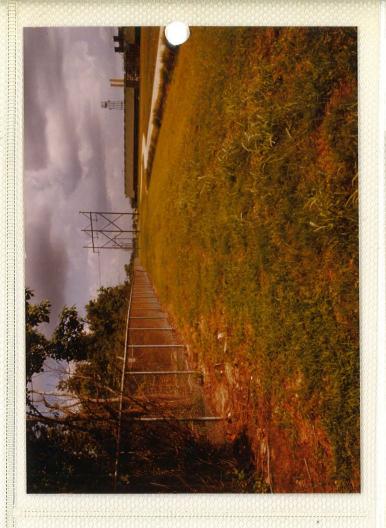


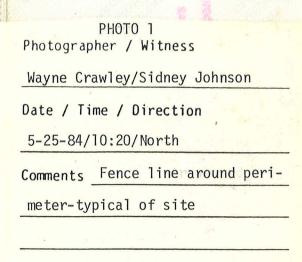


THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS

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A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST





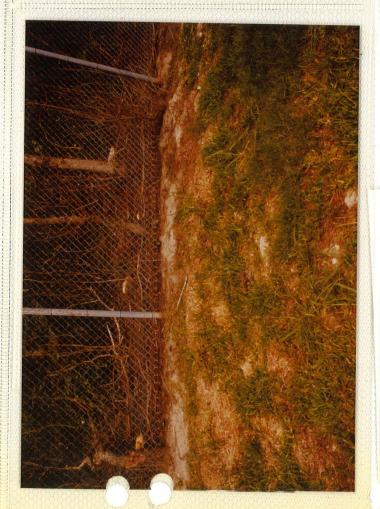


PHOTO 2
Photographer / Witness

Wayne Crawley/Sidney Johnson

Date / Time / Direction

5-25-84/10:22/West

Comments Close-up of fence line.

Grasses and weeds controlled along

fence line



PHOTO 3
Photographer / Witness

Wayne Crawley/Sidney Johnson

Date / Time / Direction

5-25-84/10:30/West

Comments _ Final holding pond with

wire, outfall 001



hotographer / Witness
Wayne Crawley/Sidney Johnson
Date / Time / Direction
5-25-84/10:31/West
Comments <u>Wire at outfall 001</u>



PHOTO 5 Photographer / Witness

Wayne Crawley/Sidney Johnson

Date / Time / Direction

5-25-84/10:45/East

Comments Surface impoundment,

metal cleaning inorganic acids

collection and treatment pond



Photographer Witness

Wayne Crawley/Sidney Johnson

Date / Time / Direction

5-25-84/10:45/Fast

Comments Metal cleaning pond on

the right. Demineralizer re
generant collection and treatment

pond on the left